



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960005

Agency Interest No. 2638

Mr. Bruce H. March
Refinery Manager
ExxonMobil Refining and Supply Company
Baton Rouge Refinery
P.O. Box 551
Baton Rouge, LA 70821

RE: Part 70 Operating Permit, ExxonMobil Refining & Supply Company – Sulfur Recovery Complex – Baton Rouge Refinery, Baton Rouge, East Baton Rouge Parish, Louisiana

Dear Mr. March:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2300-V0

Sincerely,

Pauline White

Check

Assistant Secretary

CCB:mv

c: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
EXXONMOBIL REFINING AND SUPPLY COMPANY
BATON ROUGE REFINERY / SULFUR RECOVERY COMPLEX
PROPOSED INITIAL PART 70 INITIAL AIR OPERATING AND PSD PERMITS

The LDEQ, Office of Environmental Services, is accepting written comments on an initial Part 70 Air Operating and PSD Permits for ExxonMobil Refining And Supply Company, P.O. Box 551, Baton Rouge, LA 70821-0551 for the Sulfur Plant. **The facility is located at 4045 Scenic Hwy, Baton Rouge, East Baton Rouge Parish.**

ExxonMobil Refining & Supply Company is a petroleum refinery. The Sulfur Recovery Complex (SRLA) is an existing complex at the Refinery, operating under state Permit 2300(M-1) dated June 25, 1997.

ExxonMobil Refining and Supply Company proposes to enrich the air supply to the Claus 400 Unit with oxygen. Oxygen enrichment involves blending an oxygen rich stream into a combustion air line. Additionally BRRF will operate the second Beavon hydrogenation reactor in parallel with the primary reactor and construct other minor debottlenecks to the Claus 400 unit and TGCU. As a result of these projects, BRRF will have the ability to handle higher sulfur crude oils and higher sulfur process gas oils. These projects will also allow additional sulfur removal to meet EPA's Clean Air Rules of 2004 requiring lower limits for the sulfur content in fuels used for on-road and non-road diesel engines. The Claus 100 or 200 units will not be modified.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	0.84	2.06	+1.22
SO ₂	140.70	146.37	+5.67
NO _x	26.98	29.02	+2.04
CO	342.10	225.46	-116.64
VOC*	0.50	27.88	+27.38
TRS	32.04	32.76	+0.72

*The increase in VOCs is due to incorporation of previously grandfathered and project emissions.

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, March 9, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send form_1004_r00

notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permits, the statement of basis, and environmental assessment statement are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the East Baton Rouge Parish Library - Scotlandville Branch located at 7373 Scenic Highway, Baton Rouge, LA 70807

Inquiries or requests for additional information regarding this permit action should be directed to Permits/Petrochemicals, Dr. Marta Vasquez, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3128.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 2638,

Permit Type	Permit Number	Activity Tracking Number
Part 70 Air Operating Permit	2300-V0	PER19960005
PSD Permit	PSD-LA-717	PER19960021

Publication Date: February 2, 2006

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ExxonMobil Refining & Supply Company - Baton Rouge Refinery
Agency Interest No.: 2638; PER19960005
ExxonMobil Refining & Supply Company
Baton Rouge, East Baton Rouge Parish, Louisiana

I. Background

ExxonMobil Refining & Supply Company owns and operates a petroleum refinery in Baton Rouge, Louisiana. The Sulfur Recovery Complex (SRLA) is an existing complex at the Refinery, operating under state Permit 2300(M-1) dated June 25, 1997, and under a case-by-case insignificant activity for management of molten sulfur on site. This insignificant activity is included in this permit.

This Part 70 Permit approves construction and operation of modified facilities at the SRLA, in compliance with Part 70, Prevention of Significant Deterioration (PSD). Non-attainment New Source Review (NNSR) does not apply.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by BRRF on October 2, 1996 requesting a Part 70 operating permit. Additional information dated October 20, 2005 was also received.

III. Description

Hydrogen sulfide (H_2S) laden acid gas from the monoethanolamine (MEA) regenerators and the ammonia acid gas from the sour water strippers are converted to elemental sulfur and an environmentally acceptable off gas at the SRLA. H_2S is converted to molten sulfur in three (3) Claus process units (SRLA-100/200/400), employing reaction furnaces and a series of catalytic reactors. The tail gas is then routed to the Tail Gas Clean-up Unit (TGCU) for removal of additional sulfur compounds.

At the TGCU, two (2) processing sections are used: the hydrogenation section and the amine section. The hydrogenation section (Beavon unit) takes the tail gas and converts the remaining sulfur compounds (primarily sulfur dioxide, carbon disulfide and carbonyl sulfide) to H_2S and carbon dioxide. The Beavon unit consists of two (2) reactors. Currently, one is primary and one is available to serve as backup; with the planned changes the reactors will operate in parallel. The tail gas then leaves the hydrogenation section and enters the amine section for H_2S removal via a circulating amine solution (FLEXORB™). The cleaned tail gas leaving the amine section can be emitted directly to the atmosphere (at SRLA/PV-T301), or to the incinerators (SRLA/F101 and SRLA/F201). In either disposition, off gas is analyzed using a CEMS to ensure compliance with NSPS standards.

The amine solution containing the absorbed H_2S from the tail gas stream is heated and sent to the amine regenerator tower. The amine solution is heated to remove the H_2S , thus

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regenerating the amine solution for re-use. The H₂S released from the regenerated amine solution is recycled to the Claus plants for conversion to elemental sulfur.

The recovered elemental sulfur is stored in the unit in sulfur pits. Vapors from the pits are sent to either the TGCU or the incinerators. Sulfur is removed from the pits and loaded onto trucks or rails cars for sale to third parties. The handling and transportation systems occasionally experience temporary disruptions. When this occurs, BRRF implement a contingency plan to manage sulfur outside the pits yet within the refinery boundaries.

For planned turnarounds of TGCU, the BRRF diverts tail gas from the Claus 100 and 200 units to the incinerators, bypassing the TGCU. When the TGCU is down, the NSPS-regulated SRLA-400 train is also shutdown.

Project Description: The BRRF will enrich the air supply to the Claus 400 Unit with oxygen. Oxygen enrichment involves blending an oxygen rich stream into a combustion air line. Additionally BRRF will operate the second Beavon hydrogenation reactor in parallel with the primary reactor and construct other minor debottlenecks to the Claus 400 unit and TGCU. As a result of these projects, BRRF will have the ability to handle higher sulfur crude oils and higher sulfur process gas oils. These projects will also allow additional sulfur removal to meet EPA's Clean Air Rules of 2004 requiring lower limits for the sulfur content in fuels used for on-road and non-road diesel engines. The Claus 100 or 200 units will not be modified.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	0.84	2.06	+1.22
SO ₂	140.70	146.37	+5.67
NO _x	26.98	29.02	+2.04
CO	342.10	225.46	-116.64
VOC*	0.50	27.88	+27.38
Total Reduced Sulfur (TRS)	32.04	32.76	+0.72

* The increase in VOCs is due to incorporation of previously grandfathered and project emissions.

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	—	0.18	+0.18
Carbon disulfide	3.5	3.49	-0.01

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VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Carbonyl sulfide	23.7	22.00	-1.7
Ethyl benzene	-	<0.01	-
Hydrogen sulfide	4.84	7.26	+2.42
n-Hexane	-	<0.01	-
Sulfuric acid	-	11.21	+11.21
Toluene	-	<0.01	-
Xylenes	-	<0.01	-
Total	32.04	44.14	12.10

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP), and Prevention of Significant Deterioration (PSD). Non-attainment New Source Review (NNSR) does not apply.

This project is subject to PSD review and constitutes a major modification for TRS.

Pollutant	Emission Rate	PSD de Minimis
PM ₁₀	+1.53	15
SO ₂	+34.57	40
CO	+72.98	100
H ₂ S	+3.89	10
TRS	+15.85	10
H ₂ SO ₄	+0.03	7

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the

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appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>, 2006. The draft permit was also submitted to US EPA Region VI on <date>, 2006. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
TRS	1-hour	9.35	N/A

VIII. General Condition XVII Activities

Sampling Procedures

Over 1500 samples are taken at various locations in the unit. Estimated emissions are negligible.

Equipment Maintenance/Preparation

Preparation for maintenance work requires that any liquid be pumped out and the system be oil freed. Approximately 240 routine maintenance activities are performed resulting in emissions of about 50 lb/yr of VOC, COS, CS₂ and H₂S.

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Startup and Shutdown Activities

Negligible amounts of hydrocarbon and other pollutants are emitted to the atmosphere during startup shutdown of the unit. BRRF maintains a Startup/Shutdown/Malfunction (SSM) Plan on- site.

Catalyst Handling

The SRLA Unit uses catalysts in the process. During unloading and loading of this material (e.g. catalyst changes) dust emissions may occur. Emissions from catalyst handling are estimated as 1.5 tpy particulates.

IX. Insignificant Activities

LAC 33:III.501.B.5	Description
Table Citation	
A.3.	Four (4) Unit Tanks (< 10,000 Gallons, TVP < 0.5 Psia)
A.4	Inorganic Pollutants
A.10	Storage Tank Containing Surfactants
B.8	Two (2) Storage Tanks Containing Water-Treating Chemicals

X. Streamlined Requirements

Unit	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
SRLA/FUG	LA Refinery MACT LAC 33:III.2122 40 CFR 63 Subpart CC - modified HON option 40 CFR 60 Subpart GGG	5% VOTAP 10% VOC 5% VOHAP 10% VOC	LA Refinery MACT in the manner* agreed to be ExxonMobil in its approved Air Toxic Compliance Plan Approved April 18, 1996, per Source Notice and Agreement dated October 14, 1996.

*In lieu of the requirement to monitor connectors (that have been opened or had the seal broken) during the next scheduled monitoring period, connector tightness testing is currently performed prior to equipment startup. Tightness testing may consist of nitrogen pressure test, hydro testing, or high pressure steam. Tightness is verified by instrumentation or observation.

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XI. Table 1: Applicable Louisiana and Federal Air Quality Requirements

		LAC 33:III.Chapter																		
ID No.:	Description	5*	917	919	1101	1305	1313	1503	1511	2113	2122	2123	2139	2141	2151	2153	29*	51*	56	59
GRP61	Plant Wide	1	1	1	1					1			3	1	1	3	3	1	1	1
EQT 146	SRLA/F101 (68)				1	1	1													
EQT 147	SRLA/F201 (69)				1	1	1	1												
EQT 149	SRLA/LOAD																1			
EQT 152	SRLA/CLAUS100									1	2									
EQT 153	SRLA/CLAUS200									1	2									
EQT 154	SRLA/PIT100									1	2									
EQT 155	SRLA/PIT200									1	2									
EQT 156	SRLA/CLAUS400									1	2									
EQT 157	SRLA/PIT400									1	2									
EQT 150	SRLA/SH									1										
EQT 151	SRLA/WW																			
FUG09	SRLA/FUG															1				
RLP06	SRLA/PV-T301 (70)									1	2							1		

* The regulations indicated above are State Only regulations except for LAC 33:III.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

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KEY TO MATRIX

- 1** -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2** -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3** -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 1: Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60			40 CFR 61			40 CFR 63			40 CFR										
		A	J	GGG	QQQ	A	M	V	FF	A	B	G	H	Q	Y	CC	UUU	52	64	68	
GRP6	Plant Wide					1	1	1	1	1	1	2					3	1	3	1	
EQT 146	SRLA/F101 (68)	2	2																1		
EQT 147	SRLA/F201 (69)	2	2																1		
EQT 149	SRLA/ILOAD																				
EQT 152	SRLA/CLaus100	2	2																		
EQT 153	SRLA/CLaus200	2	2																		
EQT 154	SRLA/PIT100	2	2																		
EQT 155	SRLA/PIT200	2	2																		
EQT 156	SRLA/CLaus400	1	1																		
EQT 157	SRLA/PIT400	1	1																		
EQT 150	SRLA/SH																				
EQT151	SRLA/WW																				
FUG09	SRLA/FUG	1	1															1			
RLP06	SRLA/PV-T301 (70)	1	1																1		

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- 1 -The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XII. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP 61 Sulfur Plant	Control of Organic Compounds – Organic Solvents LAC 33:III.2123.A	DOES NOT APPLY – Emission sources using organic solvents having emissions less than or equal to 3 lb/hr or less than or equal to 15 lb/day are not subject to the provisions of this Section.
	Control of Organic Compounds – Limiting VOC Emissions from Cleanup Solvent Processing LAC 33:III.2151.A	DOES NOT APPLY – The provisions of this Subchapter apply to affected cleaning operations that use solvents for which the sum of the partial pressures of the VOCs exceeds 1.5 psia at operating conditions.
	Control of Organic Compounds – Limiting VOC Emissions from Industrial Wastewater LAC 33:III.2153.A	DOES NOT APPLY – This regulation does not apply to Petroleum Refineries.
	NESHAP for Source Categories Subpart B – Requirements for Control Technology Determination for Major Sources in Accordance with Clean Air Act Sections, Sections 112(g) and 112(j) 40 CFR 63.40 and 63.43(a)	DOES NOT APPLY – The requirements of this subpart that implement Section 112(g) of the CAA, applies to the construction or reconstruction of new process or production units which emit or have the potential to emit greater than or equal to 10 TPY of any HAP or greater than or equal to 25 TPY of any combination of HAPs.
	NESHAP for Source Categories Subpart CC – Petroleum Refineries 40 CFR 60.640(d)(4)	EXEMPT – The affected source subject to this subpart does not include sulfur plant vents.

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XII. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP 61 Sulfur Plant (Continued)	Compliance Assurance Monitoring for Major Stationary Sources 40 CFR 64.2(b)	EXEMPT – CAM requirements do not apply to NSPS, NESHAP or MACT standards proposed after November 15, 1990.
EQT 146 and 147 SRLA/F101 (68) and SRLA/F201 (69)	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A] Emission Standards for Sulfur Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
	NSPS Subpart A – General Provisions 40 CFR 60.1(a)	DOES NOT APPLY – Source is not subject to the provisions of any standard of this part.
	NSPS Subpart J – Standards of Performance for Petroleum Refineries 40 CFR 60.100(b)	DOES NOT APPLY – This subpart does not apply to fuel gas combustion devices which have not been modified after June 11, 1973.
EQT 149 SRLA/LOAD	Comprehensive Toxic Air Pollutant Emission Control Program STATE ONLY LAC 33:III.5109.A	DOES NOT APPLY – MACT is not required for Class III toxic air pollutants.

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XII. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 151 SRLA/VWW	NSPS Subpart QQQ – Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems 40 CFR 60.690(a)	DOES NOT APPLY – The provisions of this subpart only apply to affected facilities for which construction, modification, or reconstruction is commenced after May 4, 1987.
GRP070 CLAUS/100 and 200	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A] Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.
	NSPS Subpart A – General Provisions 40 CFR 60.1(a)	DOES NOT APPLY – Source is not subject to the provisions of any standard of this part.
	NSPS Subpart J – Standards of Performance for Petroleum Refineries 40 CFR 60.100(b)	DOES NOT APPLY – This subpart does not apply to Claus sulfur recovery plant which have not been modified after October 4, 1976.
EQT 156 and 157 SRLA/CLaus400 and SRLA/PIT400	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A] Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.

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XII. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
FUG09 SRLA/FUG	NESHAP Subpart V – National Emission Standard for Equipment Leaks of VHAP 40 CFR 61.240(a)	DOES NOT APPLY – Complex does not have streams that contain greater than or equal to 10% by weight VHAP.
RLP06 SRLA/PV-T301 (70)	Emission Standards for Sulfur Dioxide Continuous Emissions Monitoring [LAC 33:III.1511.A] Emission Standards for Sulfur Dioxide Recordkeeping and Reporting [LAC 33:III.1513]	EXEMPT. Units emit less than 100 tons of SO ₂ per year. Record and retain at the site for at least 2 years the data required to demonstrate compliance with or exemption from SO ₂ standards of Chapter 15. Compliance data shall be reported annually in accordance with LAC 33:III.918.

The above table provides explanation for both the exemption status and non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

PART 70 SPECIFIC CONDITIONS

SULFUR COMPLEX; AI NO. 2638 EXXONMOBIL REFINING AND SUPPLY COMPANY BATON ROUGE, EAST BATON ROUGE PARISH, LOUISIANA

- 1) Permittee shall submit to EPA and DEQ a Preventative Maintenance and Operation Plan (PMO Plan). Permittee shall implement the PMO at all times, including periods of startup, shutdown and malfunction.
- 2) Permittee shall at all times, including periods of startup, shutdown and malfunction, to the extent practicable, maintain and operate the Claus trains, the TGCU and the incinerators, in a manner consistent with good air pollution practices for minimizing emissions.
- 3) Permittee shall route all tail gas from the Claus trains to the TGCU, except during periods of a scheduled Claus train startup, a scheduled Claus train shutdown, or a Claus train or TGCU malfunction, or during planned routine maintenance of the TGCU, as provided for in Specific Conditions 4, and 5.
- 4) Permittee shall minimize emissions associated with planned routine maintenance on the TGCU to the extent practicable.
 - a) Permittee shall minimize the duration of each planned routine maintenance period and specifically limit each such period to no more than 30 calendar days in duration;
 - b) Permittee shall maximize TGCU run length between planned routine maintenance periods, and specifically limit their frequency to no more than once every five (5) years;
 - c) Permittee shall implement appropriate sulfur shedding procedures during any planned routine maintenance period;
 - d) Permittee shall cease operation of the Claus 400 train during planned routine maintenance on the TGCU and coordinate planned routine maintenance on the TGCU with scheduled turnarounds of the Claus 400 train and major upstream process units;
 - e) Permittee shall operate the Claus 100 and Claus 200 trains in compliance with the relevant Interim Performance Standards;
 - f) Permittee shall seek and obtain DEQ's written approval for the planned routine maintenance period.

The requirements of this specific condition only apply to planned routine maintenance on the TGCU and shall not apply to any unplanned shutdown or malfunction.

- 5) Permittee may petition EPA for relief from the provisions of Specific Condition 4a and Specific Condition 4b. Should EPA grant relief from these provisions, Permittee may conduct a planned routine maintenance period, subject to the provisions of Specific Condition 4c, 4d, 4e and 4f.
- 6) Within 180 days of approval of an Interim Performance Standard established pursuant to the ExxonMobil Consent Decree, Permittee shall request an Administrative Amendment to the Part 70 permit incorporating the requirements of the Interim Performance Standard.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period

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encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information

40 CFR PART 70 GENERAL CONDITIONS

is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

- a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
- 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 - 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 - 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 - 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

40 CFR PART 70 GENERAL CONDITIONS

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
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- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated October 2, 1996, along with supplemental information dated October 20, 2005 requesting a Part 70 operating permit.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.

**LOUISIANA AIR EMISSION PERMIT
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- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

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- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

All ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER/9960005

Permit Number: 2300-Y0

Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT146	SRLA/F101 (68) - SRLA F-101 Incinerator	35 MM BTU/hr	28 MM BTU/hr			8760 hr/yr (All Year)
EQT147	SRLA/F201 (69) - SRLA F-201 Incinerator	35 MM BTU/hr	28 MM BTU/hr			8760 hr/yr (All Year)
EQT148	SRLA/FLEXSORB - Losses from FLEXSORB System					8760 hr/yr (All Year)
EOT149	SRLA/LOAD - SRLA Sulfur Truck Loading					8760 hr/yr (All Year)
EOT150	SRLA/SH - SRLA Sulfur Handling					8760 hr/yr (All Year)
EQT151	SRLA/WW - SRLA Catch Basins and Sewer Vents					8760 hr/yr (All Year)
EQT152	SRLA/CLAU\$100					8760 hr/yr (All Year)
EQT153	SRLA/CLAU\$200					8760 hr/yr (All Year)
EQT154	SRLA/PIT100					8760 hr/yr (All Year)
EQT155	SRLA/PIT200					8760 hr/yr (All Year)
EQT156	SRLA/CLAU\$400					8760 hr/yr (All Year)
EQT157	SRLA/PIT400					8760 hr/yr (All Year)
FUG009	SRLA/FUG - SRLA Fugitive Emissions					8760 hr/yr (All Year)
RLP006	SRLA/PV-T301 (70) - SRLA TGCU T-301 Vent					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP009	CO Emission Cap for Sources ID 68 - 70	EQT146 SRLA/F101 (68) - SRLA F-101 Incinerator
GRP009	CO Emission Cap for Sources ID 68 - 70	EQT147 SRLA/F201 (69) - SRLA F-201 Incinerator
GRP009	CO Emission Cap for Sources ID 68 - 70	RLP6 SRLA/PV-T301 (70) - SRLA TGCU T-301 Vent
GRP061	Sulfur Plant	EQT148 SRLA/FLEXSORB - Losses from FLEXSORB System
GRP061	Sulfur Plant	EQT149 SRLA/LOAD - SRLA Sulfur Truck Loading
GRP061	Sulfur Plant	EQT150 SRLASH - SRLA Sulfur Handling
GRP061	Sulfur Plant	EQT151 SRLA/WW - SRLA Catch Basins and Sewer Vents
GRP061	Sulfur Plant	FUG9 SRLA/FUG - SRLA Fugitive Emissions
GRP061	Sulfur Plant	GRP9 CO Emission Cap for Sources ID 68 - 70
GRP061	Sulfur Plant	GRP69 Incinerator Cap for SRLA F101 and F201
GRP061	Sulfur Plant	GRP70 CLAUS/100 and 200
GRP069	Incinerator Cap for SRLA F101 and F201	EQT146 SRLA/F101 (68) - SRLA F-101 Incinerator
GRP069	Incinerator Cap for SRLA F101 and F201	EQT147 SRLA/F201 (69) - SRLA F-201 Incinerator
GRP070	CLAUS/100 and 200	EQT152 SRLA/CLAU\$100
GRP070	CLAUS/100 and 200	EQT153 SRLA/CLAU\$200
GRP070	CLAUS/100 and 200	EQT154 SRLA/PIT100
GRP070	CLAUS/100 and 200	EQT155 SRLA/PIT200
GRP071	CLAU\$400	EQT156 SRLA/CLAU\$400
GRP071	CLAU\$400	EQT157 SRLA/PIT400

INVENTORIES

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER-9960005

Permit Number: 2300-Y0

Air - Title V Regular Permit Initial

Relationships:

	Subject Item	Relationship	Subject Item
EQT152	SRLA/CLAU\$100	Supplier	GRP70 CLAUS/100 and 200
EQT153	SRLA/CLAU\$200	Supplier	GRP70 CLAUS/100 and 200
EQT154	SRLA/PIT100	Supplier	GRP70 CLAUS/100 and 200
EQT155	SRLA/PIT200	Supplier	GRP70 CLAUS/100 and 200
EQT156	SRLA/CLAU\$400	Supplier	GRP71 CLAUS/400
EQT157	SRLA/PIT400	Supplier	GRP71 CLAUS/400

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT146	SRLA/F101 (68) - SRLA F-101 Incinerator	36.4	36225.6	4.6	221.4	1100
EQT147	SRLA/F201 (69) - SRLA F-201 Incinerator	36.4	36225.6	4.6	221.4	1100
RLP006	SRLA/PV-T301 (70) - SRLA TGCU T-301 Vent	121.9	35900	2.5	173.5	102

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP061	1	1,000 BBL/Day	0720 - Petroleum Refining (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-VO

Air - Title V Regular Permit Initial

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 SRLAF101 (88)		0.28			144.98			8.12				564.55			0.94
EQT 147 SRLAF201 (89)		0.28			144.98			8.12				564.55			0.94
EQT 148 SRLAFLESORB														5.82	14.94
EQT 150 SRLASH	0.02		0.10												25.50
EQT 151 SRLAWW													0.09		0.42
FUG 009 SRLAFUG														0.11	0.49
GRP 009													51.48	225.46	
GRP 069	0.45		1.96	33.42		146.37	6.62		29.02				0.34		147

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 2.06 tons/yr
SO2: 146.37 tons/yr
NOx: 29.02 tons/yr
CO: 225.46 tons/yr
VOC: 27.88 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Ammonia			Carbon disulfide			Carbonyl sulfide			Ethyl benzene			Hydrogen sulfide		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 146 SRLA/F101 (68)															
EQT 147 SRLA/F201 (69)															
EQT 149 SRLA/LOAD															
EQT 150 SRLA/SH															
EQT 151 SRLA/WW	0.04	0.18													
FUG 009 SRLA/FUG										< 0.01			0.01		
GRP 069															
RLP 006 SRLAPPV-T301 (70)				0.80	35.73		3.49	5.02	60.18	22.00			1.07	1.77	4.70

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year									
EQT 146 SRЛАF-101 (68)			11.10									
EQT 147 SRЛАF-201 (69)			11.10									
EQT 149 SRЛАLOAD												
EQT 150 SRЛАSH												
EQT 151 SRЛАWW										< 0.01		0.01
FUG 009 SRЛАFUG				< 0.01			< 0.01	< 0.01		< 0.01		0.01
GRP 069	2.56											
RLP 006 SRЛАPV-T-301 (70)												

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Ammonia: 0.18 tons/yr
 Carbon disulfide: 3.49 tons/yr
 Carbonyl sulfide: 22.00 tons/yr
 Ethyl benzene: <0.01 tons/yr
 Hydrogen sulfide: 7.26 tons/yr
 n-Hexane: <0.01 tons/yr
 Sulfuric acid: <0.01 tons/yr
 Toluene: <0.01 tons/yr
 Xylene (mixed isomers): <0.01 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

EQT146 SRLA/F101 (68) - SRLA F-101 Incinerator

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 2 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 3 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

- 4 Sulfur dioxide <= 1300 ppmv. [LAC 33:III.1503.B]

Which Months: All Year Statistical Basis: Three-hour average

- 5 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

- 6 Sulfur dioxide: The maximum 'SO₂ value is a 12-hour rolling average as limited by NSPS Subpart J requirements for Claus Recovery Units (H₂S - 10 ppm, total reduced sulfur - 300 ppm). [LAC 33:III.501.C.6]

- 7 Sulfuric acid: Sulfuric acid emissions are "State Only" [LAC 33:III.501.C.6]

- 8 Annual emission rates for SRLA incinerators F101 and F201 are included in a cap, source ID SRLA/INCN. Each incinerator may operate at their maximum firing rates. The combined emission from both incinerators shall not exceed the annual emission rate shown in the cap (GRP09). [LAC 33:III.501.C.6]

- 9 Install and operate a device (including a flow indicator, level recorder, or electronic valve position monitor) to continuously detect, at least every hour, whether flow is present in the bypass line. [40 CFR 63.1569(a)(1)(ii)]

- 10 EPA may choose to grant permission to use an alternative to the work practice standards for bypass lines. [40 CFR 63.1569(a)(2)]

- 11 Comply with the applicable requirements of the General Conditions in 63.1 through 63.15 as specified in Table 44 of 63.1577. [40 CFR 63.1577]

- 12 Comply with the standards of NSPS Subpart J, 60.104 when processing gas from Emission Source T-301. [40 CFR 63]

EQT147 SRLA/F201 (69) - SRLA F-201 Incinerator

- 13 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 14 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

- 15 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

- 16 Sulfur dioxide <= 1300 ppmv. [LAC 33:III.1503.B]

Which Months: All Year Statistical Basis: Three-hour average

- 17 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

EQT147 SRLA/F201 (69) - SRLA F-201 Incinerator

- 18 Sulfur dioxide: The maximum SO₂ value is a 12-hour rolling average as limited by NSPS Subpart J requirements for Claus Recovery Units (H2S - 10 ppm; total reduced sulfur - 300 ppm). [LAC 33:III.501.C.6]
- 19 Sulfuric acid emissions are "State Only" [LAC 33:III.501.C.6]
- 20 Annual emission rates for SRLA incinerators F101 and F201 are included in a cap, source ID SRLA/INCIN. Each incinerator may operate at their maximum firing rates. The combined emission from both incinerators shall not exceed the annual emission rate shown in the cap (GRP09). [LAC 33:III.501.C.6]
- 21 Install and operate a device (including a flow indicator, level recorder, or electronic valve position monitor) to continuously detect, at least every hour, whether flow is present in the bypass line. [40 CFR 63.1569(a)(1)(i)]
- 22 EPA may choose to grant permission to use an alternative to the work practice standards for bypass lines. [40 CFR 63.1569(a)(2)]
- 23 Comply with the applicable requirements of the General Conditions in 63.1 through 63.15 as specified in Table 44 of 63.1577. [40 CFR 63.1577]
- 24 Comply with the standards of NSPS Subpart J, 60.104 when processing gas from Emission Source T-301. [40 CFR 63]

EQT149 SRLA/LOAD - SRLA Sulfur Truck Loading

- 25 Emits Class III TAP only. MACT is not required. [LAC 33:III.5109.A]

EQT150 SRLASH - SRLA Sulfur Handling

- 26 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

EQT151 SRLA/MW - SRLA Catch Basins and Sewer Vents

- 27 Speciated emissions are "State Only" [LAC 33:III.501.C.6]

FUG009 SRLA/FUG - SRLA Fugitive Emissions

- 28 Comply with LAC 33:III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with LA Refinery MACT in accordance with the streamlining provisions of Part 70 Specific Conditions. [LAC 33:III.2122]
- 29 Speciated emissions are "State Only" [LAC 33:III.501.C.6]
- 30 Identify each piece of equipment in a process unit subject to this MACT determination such that it can be distinguished readily from equipment that is not subject to this MACT determination, as specified in Subsection C.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 31 VOC, Total monitored by technically sound method at the regulation's specified frequency. Monitor equipment that has been physically removed from service, disassembled or dismantled in the next scheduled monitoring period or within 1 year of placing back in service, whichever occurs first, to determine if it is leaking, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 32 VOC, Total recordkeeping by manual logging at the regulation's specified frequency. Maintain a record of the monitoring in the log required in Subsection Q.5, as specified in Subsection C.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

FUG009 SRLA/FUG - SRLA Fugitive Emissions

33 Pumps in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly. Monitor to detect leaks by the methods specified in Subsection P.2, except as provided in Subsections C.4, D.4, D.5 and D.6, as specified in Paragraph D.1.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If an instrument reading of 2000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions as specified in Subsection D.3. [LAC 33.III.5109.A]

Which Month: All Year Statistical Basis: None specified
 34 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, monitor within 5 days. [LAC 33.III.5109.A]

Which Month: All Year Statistical Basis: None specified
 35 Pumps in light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection D.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33.III.5109.A]

36 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure, or equip with a barrier fluid degassing reservoir that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emissions to the atmosphere, as specified in Paragraph D.4.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33.III.5109.A]

37 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in VOTAP service and, if the pump is covered by standards under NSPS, is not in VOC service, as specified in Paragraph D.4.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33.III.5109.A]

38 Pumps in light liquid service (dual mechanical seal system): Equip each barrier fluid system with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33.III.5109.A]

39 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar), as specified in Paragraph D.4.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. [LAC 33.III.5109.A]

Which Month: All Year Statistical Basis: None specified
 40 Pumps in light liquid service monitored by visual inspection/determination daily: Check sensor daily or equip with an audible alarm, as specified in Subparagraph D.4.e.i of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in Paragraph D.4.e.ii, a leak is detected. If a leak is detected, initiate repair provisions specified in Paragraphs D.3.a and D.3.b. [LAC 33.III.5109.A]

Which Month: All Year Statistical Basis: None specified
 41 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Subparagraph D.4.e.ii of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33.III.5109.A]

42 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency, as specified in Subparagraph D.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor pump as often as practicable and at least monthly. [LAC 33.III.5109.A]

Which Month: All Year Statistical Basis: None specified
 43 Compressors (seal system): VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection E.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor to detect leaks using the methods specified in Section P. If an instrument reading of 5000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33.III.5109.A]

Which Month: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER1996005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

FUG009 SRLA/FUG - SRLA Fugitive Emissions

- 44 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided for in Subsections C.4, E.9 and E.10, as specified in Subsection E.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 45 Compressors (*seal system*): Operate with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system that is connected by a closed-vent system to a control device that complies with the requirements of Section N, or equip with a system that purges the barrier fluid into a process stream with zero VOTAP emission to the atmosphere, as specified in Subsection E.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 46 Compressors: Ensure that the barrier fluid is not in VOTAP service and, if the compressor is covered by a standard under NSPS, is not in VOC service, as specified in Subsection E.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 47 Compressors: Equip each barrier fluid system as described in Subsections E.2 through E.4 with a sensor that will detect failure of the seal system, the barrier fluid system, or both, as specified in Subsection E.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 48 Compressors: Equipment/operational data monitored by technically sound method daily, as specified in Paragraph E.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Check each sensor as required in Subsection E.5 daily or equip with an audible alarm unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on criterion determined under Paragraph E.6.b, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection E.8. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 49 Compressors: Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both, as specified in Paragraph E.6.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 50 Compressors: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection E.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 51 Compressors: Equip with a closed-vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of Section N, except as provided for in Subsection E.10, as specified in Paragraph E.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Alternative to Subsections E.1 through E.7. [LAC 33:III.5109.A]
- 52 Compressors (no detectable emissions): Demonstrate that the compressor is operating with no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in Subsection P.3, as specified in Paragraph E.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 53 Compressors (no detectable emissions): VOC, Total monitored by the regulation's specified method(s) once initially upon designation, annually, and at other times requested by DEQ, as specified in Paragraph E.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 54 Pressure relief device in gas/vapor service: VOC, Total < 500 ppm except during pressure releases, as measured by the method specified in Section P.3, as specified in Subsection F.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 55 Pressure relief device in gas/vapor service: After each pressure release, return to a condition of no leakage, as indicated by an instrument reading of less than 500 ppm, as soon as practicable, but no later than five calendar days after each pressure release, except as provided in Section M, as specified in Section F.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 56 Pressure relief device in gas/vapor service: VOC, Total monitored by the regulation's specified method(s) within 5 days (calendar) after the pressure release to confirm the condition of no leakage, as indicated by an instrument reading of less than 500 ppm above background, as specified in Section F.2.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

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Air - Title V Regular Permit Initial

FUG009 SRLA/FUG - SRLA Fugitive Emissions

57 Sampling connection systems: Equip with a closed-purge system or closed-vent system, except as provided for in Section C, as specified in Subsection G.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Ensure that this system collects or captures the sample purge for return to the process. [LAC 33:III.5109.A]

58 Sampling connection systems (closed-purge or closed-vent system): Return the purged process fluid directly to the process line with zero VOTAP emissions to the atmosphere, or collect and recycle the purged process fluid with zero VOTAP emissions to the atmosphere, or be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of Section N, as specified in Subsection G.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

59 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve that seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line or during maintenance and repair, as specified in Subsection H.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

60 Open-ended valves or lines (equipped with a second valve): Operate in a manner such that the valve on the process fluid end is closed before the second valve is closed, as specified in Subsection H.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

61 Open-ended valves or lines: Monitor and repair in accordance with Section I, as specified in Subsection H.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

62 Valves in gas/vapor service and in light liquid service: VOC, Total monitored by the regulation's specified method(s) quarterly, as specified in Subsection I.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 1000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection I.3. [LAC 33:III.5109.A]

63 Valves in gas/vapor service and in light liquid service (percent leaking valves ≥ 4): VOC, Total monitored by the regulation's specified method(s) monthly, as specified in Subsection I.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. Monthly monitoring must be initiated within 60 days of the previous monitoring and must continue until the percent of leaking valves is less than 4, at which time monitoring can be performed in accordance with Subsection I.1. [LAC 33:III.5109.A]

64 Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive quarterly leak detection periods): VOC, Total monitored by the regulation's specified method(s) semiannually, as specified in Paragraph J.2.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the percentage of valves leaking is greater than 2 for any monitoring period, comply with the requirements as described in Section I, as specified in Paragraph J.2.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Optional alternative to quarterly monitoring. [LAC 33:III.5109.A]

65 Valves in gas/vapor service and in light liquid service (percent leaking valves ≤ 2 for two consecutive semiannual leak detection periods): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

66 Valves in gas/vapor service and in light liquid service (using skip period leak detection and repair): Notify DEQ at least 30 days before implementing one of the alternate monitoring scenarios in Section J, as specified in Paragraph J.1.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

At ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial!

SRLA/FUG - SRLA Fugitive Emissions

FUG009

- 67 Valves in gas/vapor service and in light liquid service: Repair leaks as soon as practicable, but no later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection I.3 and I.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 68 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with Subsection I.1, as specified in Subsection I.5.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 69 Valves in gas/vapor service and in light liquid service (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times, as specified in Subsection I.5.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 70 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than two meters above a support service, as specified in Subsection I.6.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 71 Valves in gas/vapor service and in light liquid service (difficult-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valve at least once per calendar year, as specified in Subsection I.6.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 72 Instrument systems and pressure relief devices in liquid service: pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: VOC, Total monitored by the regulation's specified method(s) within 5 days of finding evidence of a potential leak by visual, audible, olfactory, or any other detection method, as specified in Subsection K.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Subsection P.2. If an instrument reading of 2000 ppm or greater for pumps or 1000 ppm or greater for valves, connectors, instrument systems, or pressure relief devices is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection K.3. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified
- 73 Instrument systems and pressure relief devices in liquid service: pumps, valves, connectors, and agitators in heavy liquid service; connectors < 1 inch in inside diameter in gas/vapor or light liquid service: Repair leaks as soon as practicable, but not later than 15 calendar days after a leak is detected, except as provided in Section M, as specified in Subsection K.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after each leak is detected. [LAC 33:III.5109.A]
- 74 Surge control vessels and bottoms receivers: Equip each surge control vessel and bottoms receiver that is not routed back to the process with a closed-vent system that routes the organic vapors vented from the vessel back to the process or to a control device that complies with the requirements of Section N or to an alternate method of control which has been approved by DEQ, as specified in Section L of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 75 Repair equipment before the end of the next process unit shutdown, if repair is technically infeasible with a process unit shutdown, as specified in Subsection M.1 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 76 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: VOC, Total monitored by the regulation's specified method(s) once initially, as specified in Subsections O.1 and O.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If an instrument reading >= 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

FUG009 SRLA/FUG - SRLA Fugitive Emissions

77 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors \leq 2): VOC, Total monitored by the regulation's specified method(s) annually, as specified in Subsections O.2 and O.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitoring must be performed in the same calendar quarter as the previous monitoring. Monitor using the method specified in Section P. If an instrument reading \geq 10000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified
78 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (percent of leaking connectors $>$ 2): VOC, Total monitored by the regulation's specified method(s) quarterly until good performance is obtained or until four quarterly monitorings have been performed, as specified in Subsections O.2 and O.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If good performance has not been obtained after four quarters of monitoring, monitor the remaining unchecked connectors within three months of the last quarterly monitoring period, as specified in Subsection O.6 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). If monitoring of the remaining connectors indicates good performance, monitor in accordance with Subsection O.4. If monitoring of the remaining connectors indicates that good performance has not been obtained, monitor in accordance with Subsection O.5. Monitor using the method specified in Section P. If an instrument reading \geq 1000 ppm is measured, a leak is detected. If a leak is detected, initiate repair provisions specified in Subsection O.9, except as provided in Section M. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified
79 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (have been welded completely around the circumference of the interface or physically removed and the pipe welded together): Equipment/operational data monitored by the regulation's specified method(s) within three months after being welded. Check the integrity of the weld by monitoring according to the procedures in Section P or by testing using x-ray, acoustic monitoring, hydrotesting, or other applicable method, as specified in Subsection O.7 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified
80 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (at the regulation's specified frequency). Monitor for leaks after being returned to VOTAP service during the next scheduled monitoring period, as specified in Paragraph O.8 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method specified in Section P. If the follow-up monitoring detects a leak, initiate repair provisions specified in Subsection O.9, unless it is determined to be unrepairable, in which case it is counted as unrepairable. [LAC 33:III.5109.A]

Which Months: All Year Statistical Basis: None specified
81 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size: Repair Leaks as soon as practicable, but not later than 15 calendar days after a leak is detected. Make a first attempt at repair no later than 5 calendar days after each leak is detected. If a leak is detected, monitor the for leaks within the first 90 days after its repair, as specified in Subsection O.9 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

82 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): Determine that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with Subsections O.2 through O.6, as specified in Subsection O.10.a of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

83 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (unsafe-to-monitor): VOC, Total monitored by the regulation's specified method(s) at the regulation's specified frequency. Maintain a written plan that requires monitoring as frequently as practicable during safe to monitor periods, as specified in Subsection O.10.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Monitor using the method in Section P. [LAC 33:III.5109.A]
Which Months: All Year Statistical Basis: None specified
84 Connectors in gas/vapor service and in light liquid service \geq one inch in inside diameter size (inaccessible or glass or glass-lined): Repair leaks as soon as practicable, but no later than 15 calendar days after detecting a leak by visual, audible, olfactory or other means, except as specified in Subsection O.8, as specified in Subsection O.11.b of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). Make a first attempt at repair no later than 5 calendar days after the leak is detected, as specified in Subsection O.11.c of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]

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AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

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Permit Number: 2300-V0

Air - Title V Regular Permit Initial

FUG009 SRLA/FUG - SRLA Fugitive Emissions

- 85 Connectors in gas/vapor service and in light liquid service >= one inch in inside diameter size: Calculate the percent leaking connectors using the equation in Subsection O.12 for use in determining the monitoring frequency, as specified in Subsection O.12 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 86 Comply with the test methods and procedures in Section P, as specified in Subsections P.1 through P.5 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 87 Attach a weatherproof and readily visible identification, marked with the equipment identification, to leaking equipment, as specified in Subsection Q.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 88 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in Subsections Q.1 through Q.13 as applicable, as specified in Section Q of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 89 Submit statement: Due in writing by 90 days after approval of the Compliance Plan/Certificate of Compliance. Submit the information specified in Subsections R.1 and R.3, as specified in Subsections R.1 and R.3 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 90 Submit report: Due quarterly starting three months after the initial report required in Subsection R.1. Include the information specified in Paragraphs R.2.a through R.2.e, as specified in Subsection R.2 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 91 Valves in gas/vapor service and in light liquid service (skip period leak detection and repair): Notify DEQ 30 days before implementing any of the alternate provisions of Section J, as specified in Subsection R.4 of the Louisiana MACT Determination for Refinery Equipment Leaks (July 26, 1994). [LAC 33:III.5109.A]
- 92 Comply with 40 CFR Part 60 Subpart GGG by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with LA Refinery MACT in accordance with the streamlining provisions of Part 70 Specific Conditions. [40 CFR 60.590-593]
- 93 Comply with 40 CFR 63 Subpart CC by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with LA Refinery MACT in accordance with the streamlining provisions of Part 70 Specific Conditions. [40 CFR 63.Subpart CC]

GRP009 CO Emission Cap for Sources ID 68 - 70

- 94 Carbon monoxide: To demonstrate compliance with the CO emission limit for the source GRP09, permittee shall calculate the total CO tons for a 12-month rolling period. Total CO for CO in the cap shall not exceed 225.46 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- Emission points: EQT 146, EQT 147 and RLP 06. [LAC 33:III.501.C.6]
- 95 Carbon monoxide Submit report: Due annually, by the 31st of March. Report the total calculated CO emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 96 Carbon monoxide recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. CO emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 97 Carbon monoxide monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 98 Carbon monoxide: The permitted CO emission rate for this source is shown at its maximum hourly emission rate. However, the combined annual CO emissions of Source IDs 68, 69, and 70 shall not exceed 225.46 tons per year and is included under Source ID SRILA/COCAP (GRP09). [LAC 33:III.501.C.6]

GRP061 Sulfur Plant

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

GRP061 Sulfur Plant

- 99 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 100 Administrative Authority may permit a variance from any provisions of Chapter 15 if authority finds conformity with any provisions would cause undue hardship, be unreasonable, impractical, or infeasible. [LAC 33:III.1505]
- 101 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 102 Control emissions of VOC from steam jet injectors and mechanical pumps by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. Determine compliance and keep records as specified in LAC 33:III.2115.1, J, and K. [LAC 33:III.2139.A]
- 103 Control emissions of volatile organic compounds from petroleum refinery process unit turnarounds by pumping the liquid contents to storage and depressurizing the processing units to five psig (pounds per square inch gauge) or below before venting to the atmosphere. Control the vapors during the depressurization prior to venting to atmosphere by one of the applicable methods specified in LAC 33:III.2115.A, B, and F. [LAC 33:III.2141.A]
- 104 Keep records and determine compliance as specified in LAC 33:III.2115.1, J, and K. [LAC 33:III.2141.A]
- 105 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 106 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 107 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Air Permits Division, as required in accordance with the procedures in LAC 33:III.Chapter 5. [LAC 33:III.501.C.1]
- 108 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]
- 109 Hydrogen sulfide ≤ 7.26 tons/yr. [LAC 33:III.501.C.6]
- 110 Particulate matter (10 microns or less) ≤ 2.06 tons/yr. [LAC 33:III.501.C.6]
- 111 Which Months: All Year Statistical Basis: Annual maximum
- 112 Which Months: All Year Statistical Basis: Annual maximum
- 113 Which Months: All Year Statistical Basis: Annual maximum
- 114 Which Months: All Year Statistical Basis: Annual maximum
- 115 Which Months: All Year Statistical Basis: Annual maximum
- 116 Which Months: All Year Statistical Basis: Annual maximum
- 117 Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

GRP061

Sulfur Plant

- 118 Xylene (mixed isomers) < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 119 Sulfuric acid <= 11.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 120 Sulfuric acid: Sulfuric acid emissions are "State Only" [LAC 33:III.501.C.6]
- 121 Carbon monoxide <= 225.46 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
- 122 Nitrogen oxides <= 29.02 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
- 123 Sulfur dioxide <= 146.37 tons/yr. [LAC 33:III.501]
Which Months: All Year Statistical Basis: Annual maximum
- 124 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 125 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 126 Any Part 70 source for which construction or operation has begun prior to the effective date of LAC 33:III.507 shall submit an application for an initial Part 70 permit. Permit applications shall be prepared in accordance with LAC 33:III.517 and with forms and guidance provided by DEQ, and shall be submitted no later than one year after the effective date of the Louisiana Part 70 program. [LAC 33:III.507.C.1]
- 127 Any source that becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Quality shall submit an application to the Office of Environmental Services, Air Permits Division, in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]
- 128 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 129 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 130 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LEHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]
- 131 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]

SPECIFIC REQUIREMENTS

At ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

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GRP061

Sulfur Plant

- 132 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III, Chapter 51, Subchapter A, without first obtaining written authorization from DEQ in accordance with LAC 33:III, Chapter 51, Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 133 Do not cause a violation of any ambient air standard listed in LAC 33:III, Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 134 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 135 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III, Chapter 51, Subchapter A. [LAC 33:III.5105.A.4]
- 136 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 137 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 138 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 139 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 140 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 141 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 142 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 143 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 144 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 145 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B.]

SPECIFIC REQUIREMENTS

Air ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

Activity Number: PER19960005

Permit Number: 2300-V0

Air - Title V Regular Permit Initial

GRP061 Sulfur Plant

- 146 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III, Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 147 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III, Chapter 5. [LAC 33:III.511]
- 148 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:III.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 149 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 150 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 151 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 152 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 153 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 154 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 155 Provide emission testing facilities as specified in LAC 33:III.5113.B.4, a through e. [LAC 33:III.5113.B.4]
- 156 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 157 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 158 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 159 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 160 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 161 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 162 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 163 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

SPECIFIC REQUIREMENTS

All ID: 2638 - ExxonMobil Refining & Supply Co - Baton Rouge Refinery

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GRP061 Sulfur Plant

- 164 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 165 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 166 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 167 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and iii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 168 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 169 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 170 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 171 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 172 Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority. [LAC 33:III.517.A.2]
- 173 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 174 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 175 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E,
- 176 Submit change of ownership notification in accordance with LAC 33:III.517.E
- 177 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]
- 178 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 179 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 180 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 181 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 182 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]

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- 183 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]
- 184 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 185 Where, upon written application of the responsible person or persons, the administrative authority finds that by reason of exceptional circumstances strict conformity with any provisions of these regulations would cause undue hardship, would be unreasonable, impractical or not feasible under the circumstances, the administrative authority may permit a variance from these regulations. [LAC 33:III.917.A]
- 186 No variance may permit or authorize the maintenance of a nuisance, or a danger to public health or safety. [LAC 33:III.917.B]
- 187 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 188 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 189 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 190 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 191 Operate and maintain your affected source, including a pollution control and monitoring equipment, according to 63.6(e)(1)(i). [40 CFR 63.1570(c)]
- 192 According to 63.6(e)(3), develop, implement, and operate in accordance with a written startup, shutdown, and malfunction plan. [40 CFR 63.1570(d)(e)]
- 193 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A. [40 CFR 63]
- 194 Assign a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements. [40 CFR 68.15(b)]
- 195 Define the lines of authority through an organization chart or similar document when responsibility for implementing individual requirements of 40 CFR 68 is assigned to persons other than the person identified under 68.15(b). [40 CFR 68.15(c)]
- 196 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the names or positions of the people, other than the person identified under 68.15(b), who are assigned responsibility for implementing individual requirements of 40 CFR 68. [40 CFR 68.15(c)]
- 197 Submit Risk Management Plan (RMP): Due no later than June 21, 1999, or three years after the date on which a regulated substance is first listed under 68.130, or the date on which a regulated substance is first present above a threshold quantity in a process. Submit in a method and format to a central point as specified by EPA prior to June 21, 1999. [40 CFR 68.150]
- 198 Provide in the RMP an executive summary that includes a brief description of the elements listed in 68.155(a) through (g). [40 CFR 68.155]
- 199 Complete a single registration form and include in the RMP. Cover all regulated substances handled in covered processes. Include in the registration the information specified in 68.160(b)(1) through (13). [40 CFR 68.160]
- 200 Submit in the RMP information the release scenarios specified in 68.165(a)(2). Include the data listed in 68.165(b)(1) through (13). [40 CFR 68.165]
- 201 Submit in the RMP the information provided in 68.42(b) on each accident covered by 68.42(a). [40 CFR 68.168]
- 202 Provide in the RMP the information indicated in 68.170(b) through (k). [40 CFR 68.170]
- 203 Provide in the RMP the emergency response information listed in 68.180(a) through (c). [40 CFR 68.180]

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- 204 Submit in the RMP a single certification that, to the best of the signer's knowledge, information, and belief formed after reasonable inquiry, the information submitted is true, accurate, and complete. [40 CFR 68.185(b)]
- 205 Submit revised registration to EPA: Due within six months after a stationary source is no longer subject to 40 CFR 68. Indicate that the stationary source is no longer covered. [40 CFR 68.190(c)]
- 206 Review and update the RMP as specified in 68.190(b) and submit it in a method and format to a central point specified by EPA prior to June 21, 1999. [40 CFR 68.190]
- 207 Maintain records supporting the implementation of 40 CFR 68 for five years unless otherwise provided. [40 CFR 68.200]
- 208 Use the endpoints specified in 68.22(a) through (g) for analyses of offsite consequences. [40 CFR 68.22]
- 209 Analyze the release scenarios in 68.25, as specified in 68.25(a) through (h). [40 CFR 68.25]
- 210 Identify and analyze at least one alternative release scenario for each regulated toxic substance held in a covered process(es) and at least one alternative release scenario to represent all flammable substances held in covered processes, as specified in 68.28(b) through (e). [40 CFR 68.28]
- 211 Estimate in the RMP the population within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.30]
- 212 List in the RMP environmental receptors within a circle with its center at the point of the release and a radius determined by the distance to the endpoint defined in 68.22(a). [40 CFR 68.33]
- 213 Submit revised RMP: Due within six months after changes in processes, quantities stored or handled, or any other aspect of the stationary source increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36(b)]
- 214 Review and update the offsite consequence analysis at least once every five years. Complete a revised analysis within six months if changes in processes, quantities stored or handled, or any other aspect of the stationary source might reasonably be expected to increase or decrease the distance to the endpoint by a factor of two or more. [40 CFR 68.36]
- 215 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain the records specified in 68.39(a) through (e) on the offsite consequence analyses. [40 CFR 68.39]
- 216 Include in the five-year accident history all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Include the information specified in 68.42(b)(1) through (10) for each accidental release. [40 CFR 68.42]
- 217 Ensure that the process is designed in compliance with recognized and generally accepted good engineering practices. [40 CFR 68.48(b)]
- 218 Compile and maintain the up-to-date safety information listed in 68.48(a)(1) through (5) related to the regulated substances, processes, and equipment. Update the safety information if a major change occurs that makes the information inaccurate. [40 CFR 68.48]
- 219 Conduct a review of the hazards associated with the regulated substances, process, and procedures. Identify in the review the information listed in 68.50(a)(1) through (4). [40 CFR 68.50(a)]
- 220 Determine whether the process is designed, fabricated, and operated in accordance with the applicable standards or rules by inspecting all equipment during the hazard review, for processes designed to meet industry standards or Federal or state design rules. [40 CFR 68.50(b)]
- 221 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the results of the hazard review. [40 CFR 68.50(c)]
- 222 Ensure that problems identified during the hazard review are resolved in a timely manner. [40 CFR 68.50(c)]
- 223 Update the hazard review at least once every five years. Also conduct reviews whenever a major change in the process occurs; resolve all issues identified in the review before startup of the changed process. [40 CFR 68.50(d)]
- 224 Ensure that the operating procedures are updated, if necessary, whenever a major change occurs and prior to startup of the changed process. [40 CFR 68.52(c)]
- 225 Prepare written operating procedures that provide clear instructions or steps for safely conducting activities associated with each covered process consistent with the safety information for that process. Address in the procedures the information listed in 68.52(b)(1) through (8). [40 CFR 68.52]

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- 226 Ensure that each employee presently operating a process, and each employee newly assigned to a covered process, have been trained or tested competent in the operating procedures provided in 68.52 that pertain to their duties. [40 CFR 68.54(a)]
- 227 Provide refresher training at least every three years, and more often if necessary, to each employee operating a process to ensure that the employee understands and adheres to the current operating procedures of the process. [40 CFR 68.54(b)]
- 228 Ensure that operators are trained in any updated or new procedures prior to startup of a process after a major change. [40 CFR 68.54(d)]
- 229 Prepare and implement procedures to maintain the on-going mechanical integrity of the process equipment. [40 CFR 68.56(a)]
- 230 Train or cause to be trained each employee involved in maintaining the on-going mechanical integrity of the process. To ensure that the employee can perform the job tasks in a safe manner, train each employee in the hazards of the process, in how to avoid or correct unsafe conditions, and in the procedures applicable to the employee's job tasks. [40 CFR 68.56(b)]
- 231 Perform or cause to be performed inspections and test on process equipment. Follow recognized and generally accepted good engineering practices. Make the frequency of inspections and tests of process equipment consistent with applicable manufacturers' recommendations, industry standards or codes, good engineering practices, and prior operating experience. [40 CFR 68.56(d)]
- 232 Promptly determine an appropriate response to each of the findings of the compliance audit. [40 CFR 68.58(d)]
- 233 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document the appropriate response to each of the findings of the compliance audit, and document that deficiencies have been corrected. [40 CFR 68.58(d)]
- 234 Retain the two (2) most recent compliance audit reports. [40 CFR 68.58(e)]
- 235 Conduct compliance audit. Due at least every three years. Certify compliance with the provisions of the prevention program to verify that procedures and practices developed under 40 CFR 68 are adequate and are being followed. Conduct compliance audit by at least one person knowledgeable in the process. [40 CFR 68.58]
- 236 Equipment/operational data recordkeeping by electronic or hard copy continuously. Document resolutions and corrective actions of the investigation findings and recommendations. [40 CFR 68.60(d)]
- 237 Conduct incident investigation. Due as promptly as possible, but not later than 48 hours following each incident which resulted in, or could reasonably have resulted in, a catastrophic release. [40 CFR 68.60]
- 238 Prepare a summary at the conclusion of the investigation which includes, at a minimum, the information specified in 40 CFR 68.60(c)(1) through (5). Promptly address and resolve the investigation findings and recommendations. Review findings with all affected personnel whose job tasks are affected by the findings. Retain investigation summaries for five years. [40 CFR 68.60]
- 239 Develop and implement an emergency response program for the purpose of protecting public health and the environment. Include in the program the elements listed in 40 CFR 68.95(a)(1) through (4). [40 CFR 68.95(a)]
- 240 Coordinate the emergency response plan developed under 68.95(a)(1) with the community emergency response plan developed under 42 U.S.C. 11003. Upon request of the local emergency planning committee or emergency response officials, promptly provide information necessary for developing and implementing the community emergency response plan. [40 CFR 68.95(c)]
- 241 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 242 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

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- 243 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 244 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

Incinerator Cap for SRLA F101 and F201

- 245 Sulfur dioxide: To demonstrate compliance with the SO₂ emission limit for the source GRP69, permittee shall calculate the total SO₂ tons for a 12-month rolling period. Total SO₂ for SO₂ in the cap shall not exceed 146.37 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO₂ emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- Emission points: EQT 146 and EQT 147. [LAC 33:III.501.6]
- 246 Particulate matter (10 microns or less): To demonstrate compliance with the PM10 emission limit for the source GRP69, permittee shall calculate the total PM10 tons for a 12-month rolling period. Total PM10 for PM10 in the cap shall not exceed 1.96 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- Emission points: EQT 146 and EQT 147. [LAC 33:III.501.C.6]
- 247 Particulate matter (10 microns or less): Submit report: Due annually, by the 31st of March. Report the total calculated PM10 emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 248 Particulate matter (10 microns or less): recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. PM10 emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 249 Particulate matter (10 microns or less): monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 250 Sulfur dioxide: Submit report: Due annually, by the 31st of March. Report the total calculated SO₂ emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 251 Sulfur dioxide recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. SO₂ emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 252 Sulfur dioxide monitored by calculations monthly. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 253 Nitrogen oxides: To demonstrate compliance with the NO_x emission limit for the source GRP69, permittee shall calculate the total NO_x tons for a 12-month rolling period. Total NO_x for NO_x in the cap shall not exceed 29.02 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NO_x emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
- Emission points: EQT 146 and EQT 147. [LAC 33:III.501.C.6]
- 254 Nitrogen oxides: Submit report: Due annually, by the 31st of March. Report the total calculate NO_x emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

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GRP069 Incinerator Cap for SRLA F101 and F201

- 255 Nitrogen oxides recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 256 Nitrogen oxides monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 257 VOC, Total: To demonstrate compliance with the VOC emission limit for the source GRP69, permittee shall calculate the total VOC tons for a 12-month rolling period. Total VOC for VOC in the cap shall not exceed 1.47 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: EQT 146 and EQT 147. [LAC 33:III.501.C.6]
- 258 VOC, Total Submit report: Due annually, by the 31st of March. Report the total calculate VOC emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.. [LAC 33:III.501.C.6]
- 259 VOC, Total recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. VOC emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 260 VOC, Total monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 261 Sulfuric acid: To demonstrate compliance with the H₂SO₄ emission limit for the source GRP69, permittee shall calculate the total H₂SO₄ tons for a 12-month rolling period. Total H₂SO₄ in the cap shall not exceed 11.21 tons per year. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. H₂SO₄ emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division.
Emission points: EQT 146 and EQT 147. [LAC 33:III.501.C.6]
- 262 Sulfuric acid Submit report: Due annually, by the 31st of March. Report the total calculate H₂SO₄ emissions based on throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 263 Sulfuric acid recordkeeping by electronic or hard copy monthly. Permittee shall retain records for review by the Office of Environmental Compliance, Surveillance Division. H₂SO₄ emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 264 Sulfuric acid monitored by calculations monthly. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 265 Carbon monoxide: The permitted CO emission rate for this source is shown at its maximum hourly emission rate. However, the combined annual CO emissions of Source IDs 68, 69, and 70 shall not exceed 225.46 tons per year and is included under Source ID SRLA/COCAP (GRP09). [LAC 33:III.501.C.6]
- 266 Sulfuric acid: Sulfuric acid emissions are "State Only" [LAC 33:III.501.C.6]
- 267 Annual emission rates for SRLA incinerators F101 and F201 are included in a cap, source ID SRLA/INCIN. Each incinerator may operate at their maximum firing rates. The combined emission from both incinerators shall not exceed the annual emission rate shown in the cap (GRP09). [LAC 33:III.501.C.6]

GRP070 CLAUS/100 and 200

- 268 Sulfur dioxide <= 1300 ppmv. [LAC 33:III.1503.B]
Which Months: All Year Statistical Basis: Three-hour average

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GRP070 CLAUS/100 and 200

- 269 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 270 Comply with the emission standards of 300 ppmv of reduced sulfur compounds calculated as SO₂ (dry basis) at zero percent excess air if not incinerated; or, comply with the emission standards of 250 ppmv SO₂ (dry basis) at zero percent excess air when incinerated. [40 CFR 63.1568(a)(1)]
- 271 Comply with the 300 ppmv total reduced sulfur (CS₂ and CS₂) limit, expressed as an equivalent SO₂ concentration (dry basis) at zero percent oxygen. [40 CFR 63.1568(a)(iii)]
- 272 Comply with the applicable requirements of the General Conditions in 63.1 through 63.15 as specified in Table 44 of 63.1577. [40 CFR 63.1577]

GRP071 CLAUS/400

- 273 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 274 Comply with the emission standards of 300 ppmv of reduced sulfur compounds and 10 ppmv of H₂S, each calculated as SO₂ ppmv (dry basis) at zero percent excess air if not followed by incineration; or, comply with the emission standards of 250 ppmv SO₂ (dry basis) at zero percent excess air when followed by incineration. [40 CFR 60.104(a)(2)(i), 40 CFR 60.104(a)(2)(ii)]
- 275 All affected (NSPS) stationary sources comply with all applicable provisions of this subpart. [40 CFR 60.60.1-60.19]
- 276 Comply with the standards of NSPS Subpart J, 60.104. [40 CFR 63.1568(a)(1)]
- 277 Comply with the applicable requirements of the General Conditions in 63.1 through 63.15 as specified in Table 44 of 63.1577. [40 CFR 63.1577]

RLP006 SRLA/PV-T301 (70) - SRLA T301 Vent

- 278 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513, LAC 33:III.509]
- 279 Hydrogen sulfide: The maximum H₂S value is a 12-hour rolling average as limited by NSPS Subpart J requirements for Claus Recovery Units (H₂S - 10 ppm; total reduced sulfur - 300 ppm). [LAC 33:III.501.C.6]
- 280 Carbonyl sulfide: The maximum COS value is a 12-hour rolling average as limited by NSPS Subpart J requirements for Claus Recovery Units. [LAC 33:III.501.C.6]
- 281 Carbon disulfide: The maximum CS₂ value is a 12-hour rolling average as limited by NSPS Subpart J requirements for Claus Recovery Units. [LAC 33:III.501.C.6]
- 282 Carbon monoxide: The permitted CO emission rate for this source is shown at its maximum hourly emission rate. However, the combined annual CO emissions of Source IDs 68, 69, and 70 shall not exceed 225.46 tons per year and is included under Source ID SRLA/CO/CAP (GRP09). [LAC 33:III.501.C.6]
- 283 Comply with the emission standards of 300 ppmv of reduced sulfur compounds and 10 ppmv of H₂S, each calculated as SO₂ ppmv (dry basis) at zero percent excess air if not followed by incineration; or, comply with the emission standards of 250 ppmv SO₂ (dry basis) at zero percent excess air when followed by incineration. [40 CFR 60.104(a)(2)(i), 40 CFR 60.104(a)(2)(ii), LAC 33:III.509]
- 284 Comply with the standards of NSPS Subpart J, 60.104. [40 CFR 63.1568(a)(1), LAC 33:III.509]
- 285 Comply with the applicable requirements of the General Conditions in 63.1 through 63.15 as specified in Table 44 of 63.1577. [40 CFR 63.1577, LAC 33:III.509]